

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Original) A method of optimizing the performance of a mobile radio system in which different transfer modes correspond to different bit rates corresponding to different modulation schemes and the protocol architecture uses a radio link control layer that can operate in an acknowledged mode or in a non-acknowledged mode, in which method, in a transfer mode corresponding to the highest bit rates, acknowledgment information is sent in the non-acknowledged mode from a radio link control receiver to a radio link control sender and can be taken into account by the radio link control sender.
2. (Original) A method according to claim 1, wherein said transfer modes include the General Packet Radio Service (GPRS) mode and the Enhanced General Packet Radio Service (EGPRS) mode.
3. (Currently Amended) A method according to either claim 1 ~~or claim 2~~, wherein said acknowledgment information includes a Starting Sequence Number (SSN) and a Received Block Bitmap (RBB) sent in an acknowledgment/non-acknowledgment (ACK/NACK) message.

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4. (Currently Amended) A method according to ~~any one of claims 1 to 3~~claim 1, wherein said acknowledgment information is taken into account by an RLC sender to estimate transmission quality.

5. (Original) A method according to claim 4, wherein said transmission quality estimate is used for radio link adaptation.

6. (Currently Amended) A mobile station including means for implementing a method according to ~~any one of claims 1 to 5~~claim 1.

7. (Currently Amended) Mobile radio network equipment, including means for implementing a method according to ~~any one of claims 1 to 5~~claim 1.

8. (Currently Amended) A mobile radio system including means for implementing a method according to ~~any one of claims 1 to 5~~claim 1.